

from the CEO



Santee Cooper offers a lot to help make South Carolina a better place to live and work. We constantly strive to keep electricity affordable. In particular, we have the lowest industrial power costs in the state, and those costs are 29 percent lower than the national average.

More than that, we're working hard with the state's electric cooperatives (through our joint economic development venture, the South Carolina Power Team), our municipal wholesale customers and other economic development partners to bring new industry, jobs and capital investment to South Carolina. Santee Cooper has made loans totaling \$24.7 million since 2012 to local governments and nonprofit entities, to build infrastructure and buildings in commerce parks served by us, municipalities we serve and the state's co-ops. We also offer an economic development incentive rate for new industry needing 1 megawatt of electric load and meeting other criteria, to help them get established.

Santee Cooper just upped the ante. Our board has approved two new tools that will finish projects and create more jobs and capital investment in South Carolina.

A second economic development incentive rate targeting large industries offers initial electric cost savings of about 30 percent to firms requiring at least 2 MWs of electric load and employing 50 people or investing \$500,000 per MW, with the incentive gradually dropping off over six years. The board also approved two new site readiness funds that will make available \$42.5 million over the next five years, to finish projects in state electric cooperative territories or municipalities we serve directly or through wholesale contracts. We will be marketing these opportunities with the Power Team, individual cooperatives and municipalities.

These are bold, broad tools that will take projects from almost-ready to open-for-business. They complement our existing loan and rate programs. For more information on any of these initiatives, I encourage you to email Economic Development Manager Sam Bennett at sam.bennett@santeecooper.com.

Santee Cooper and our economic development partners announced projects last year representing \$838 million in new capital investment and more than 2,000 new jobs. With the leadership of our board and excellent partnerships with the Power Team and our municipalities, I'm confident we will see even more success for South Carolina in 2014.

Lonnie N. Carter President and Chief Executive Officer

Jonne M. Cark

Editor Nicole A. Aiello

Design and Layout Tom Galmarini

> Photography/ Photo Editor Jim Huff

Writers

Kevin F. Langston Susan Mungo Willard Strong

PowerSource is published by Santee Cooper Corporate Communications. Use of materials is not authorized without permission of the editor.

email: nicole.aiello @santeecooper.com

phone: 843-761-7030



CONTENTS

SPRING 2014 // VOL. 14 // NO. 2







Features	4	Happy Birthday, Santee Cooper!
	6	Sorry, but I've Got to Run Susan Mungo
	14	Horry County Museum Making Most of New Location Willard Strong
	22	AEDs are on standby at Santee Cooper Nicole A. Aiello
	26	Creating the Colleton Solar Farm Kevin F. Langston
Business Briefly	32	Economic Development News
NewSource	34	Santee Cooper News

About the Cover

The Colleton Solar Farm reflects the commitment Santee Cooper and the state's electric cooperatives are making to grow renewable energy sources throughout South Carolina. The 10,010 solar panel farm is a utility-scale project, a first for the state, and will provide valuable information on the reliability and economic sustainability of solar power.





Happy Birthday Santee Cooper

Santee Cooper is now an octogenarian.

It was eight decades ago, on April 7, 1934, that South Carolina Gov. Ibra Blackwood picked up a pen and affixed his signature to a piece of legislation that created the S.C. Public Service Authority, whose purpose was to construct and operate the Santee Cooper Hydroelectric and Navigation Project.

Blackwood's signature culminated years of political wrangling that pitted enthusiasts of President Franklin D. Roosevelt's Depression-era recovery program called the New Deal and detractors who said the project was unnecessary and a wasteful expenditure of federal resources. Investor-owned utilities generally opposed publicly owned power projects.

South Carolina's ally in its founding was U.S. Sen. James F. Byrnes, a Charleston native who had the ear of President Roosevelt. During this time, massive federally financed power projects were proposed and being built, such as the famous Hoover Dam. Byrnes didn't want the Palmetto State left out of Washington's largesse. The concept for building what is today lakes Marion and Moultrie, commonly called the Santee Cooper Lakes, actually had its genesis in the 1920s, so it was not an entirely new idea.

The plan was for Washington, D.C., to appropriate a federal loan and grant to the state to get the project started and pay for construction — essentially "seed money." For the plan to go forward, the federal government required the General Assembly to create a state agency, the Public Service Authority, to be a repository for the federal funding.

This done, the battle to actually build the hydro project and navigation lock was just beginning. On July 15, 1935, President Roosevelt signed a letter approving the project, a letter actually penned by Byrnes. Even with the endorsement of the nation's chief executive, it wasn't smooth sailing by any means. Byrnes butted heads with federal bureaucrat Harold Ickes, heading Roosevelt's Public Works Administration (PW

Public Works Administration (PWA), which would manage the project's construction. Ickes tried to kill the project on numerous occasions, but Byrnes was relentless in seeing it to completion.

On Sept. 10, 1935, the S.C. Supreme Court ruled that the legislation creating Santee Cooper (often referred to as the enabling legislation) was constitutional. One of the promises of the project was to be the source of power to the state's infant electric cooperative movement, whose purpose was to electrify South Carolina's rural areas.

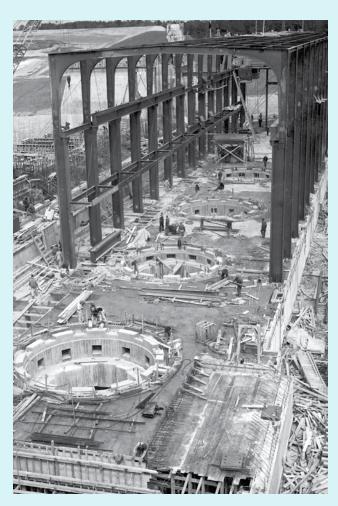
South Carolina's rural people were largely in the dark, with little interest then by private utilities in serving them. Federal involvement occurred, with the creation of the Rural Electrification Administration or REA, in 1935. It's another example of FDR's "alphabet soup" of federal agencies.

The go-ahead to build the Santee Cooper project came from the U.S. Supreme Court on May 23, 1938. By April the following year, construction began on what at that time was the nation's largest land-clearing project. Between 1939 and 1942, the project employed nearly 13,000 workers to build 42 miles of dams and dikes. Unemployment rolls were reduced and many people had jobs for the first time in years.

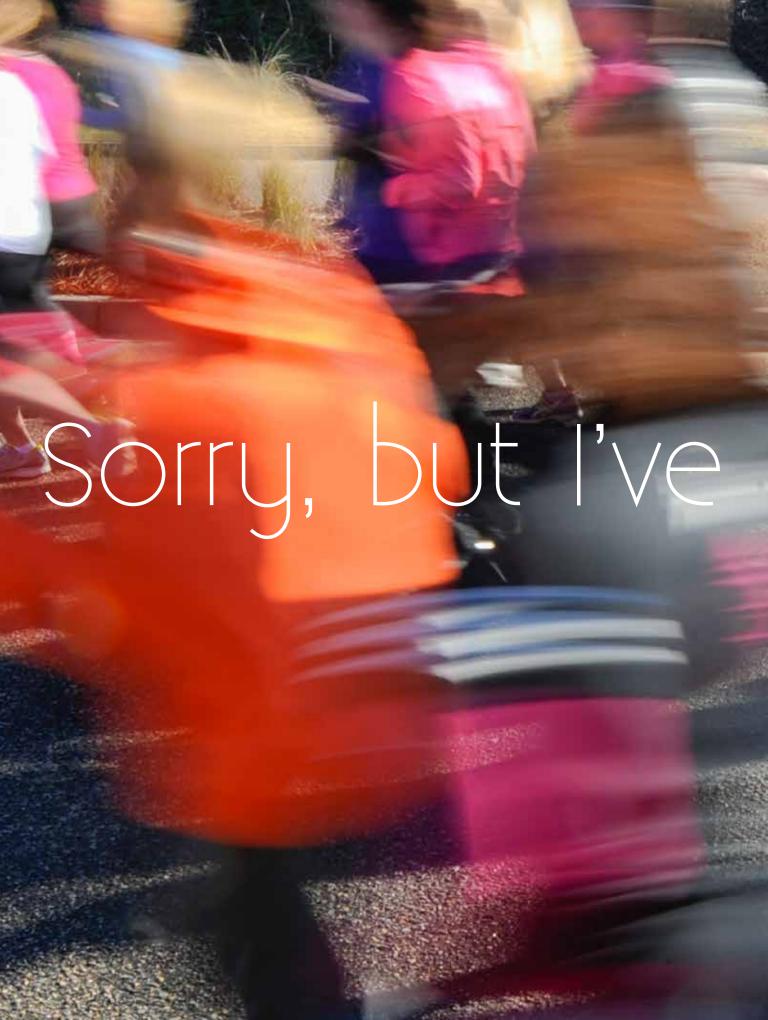
The Pinopolis Power Plant, a five-unit facility capable of generating 128 megawatts of power, came to life on Feb. 17, 1942, only a few months after Pearl Harbor and the nation's formal entry into World War II. The old plant is now called the Jefferies Hydroelectric Station, and it's still producing power. On Dec. 2, 1942, the \$70 million Santee Cooper project was declared "substantially complete." Today, Santee Cooper is the state's largest producer of electric power serving retail, wholesale and industrial customers, and South Carolina's 20 electric cooperatives.

James F. Byrnes would no doubt be proud of Santee Cooper. It was his dogged determination and the work of thousands of others to provide what is today the backbone of our way of life: affordable, dependable electricity that has raised the standard of living for all the citizens of South Carolina.

Happy 8oth birthday Santee Cooper!









unning may be one of the oldest sports around, although its popularity has been on the rise since the 1990s. Consider Running USA's stats showing 224,000 U.S. marathon finishers in 1990 compared to 487,000 marathon finishers in 2012. Why has running become such a hot trend?

Being smart and prepared at the start line is a very important part of a successful race. Runners find it can be easy to let your adrenaline get the best of you and start out too fast.

"The miracle isn't that I finished. The miracle is that I had the courage to start."

—John Bingham

Marathon Finishers

1990 compared to 2012

224,000

487,000

There are theories floating around about personal achievement and the elusive runner's high. Others say it's a great way to spend time with the family or contribute to a cause. Maybe it's just a way to get in a great workout without having to go to the gym.

The National Sporting Goods Association says running is a good workout that, at its core, costs very little. They claim the call of the open road, free to anyone and with no professional training needed, is driving the popularity of this sport.

South Carolina should have some answers. After all, the state plays host to more than 750 races each year, which brings positive impacts to runners' waistlines and host organizations' bottom lines.

"The biggest little marathon"

The Myrtle Beach Marathon (MBM) and half marathon debuted in 1998 with an impressive 2,400 runners. In February of this year, there were 10,000 runners and events included a one-mile fun run and a 5K neon race held the evening before the marathon, half marathon and marathon relay.

The elite runners who finish in 2:30:06 (that's 2 hours, 30 minutes and 6 seconds in non-runner time)

use the course to qualify for the Boston Marathon. Casual runners and walkers can finish anywhere from three to seven hours. All runners enjoy a course that follows the Atlantic Ocean for about 10 miles out of the 26.2.

The race is considered a desirable destination race, which is what the founders were betting on.

Besides the view, Shaun Walsh,
MBM director and co-founder, said
running events are becoming more
about what else is offered rather than
just providing a course, and the
MBM weekend features
a full slate of events.
"The goal is to be
the biggest little
marathon,"
he said.





Runners pound the pavement at the annual BFF Breast Friends Forever spring race, where weather can be very cold at the start and warm at the finish.

Walsh likes to remind those working with him that they're not just in the running business: They're also in the entertainment business. And he said the race committee, the city of Myrtle Beach and he are happy with what their race weekend offers, including bringing tourists and their dollars to the area.

Just as cities hosting races make an impression on runners, runners make an impression on cities. According to Walsh, around 25,000 people come to the Myrtle Beach area for the marathon weekend and spend more than \$10 million. The Charleston Marathon, which is a fairly new marathon for the state, ran its first 26.2 in 2011. In 2014, it became one of the 20 largest races in the state. It also offers a flat, Boston-qualifier course, as well as a half marathon, a Shrimp and Grits 5K, a bike ride, and a youth program. This growing marathon seems

to be taking a chapter out of the "provide something for everyone" book.

The Kiawah Island Golf Resort Marathon, one of the oldest in South Carolina, has been running for 37 years. It, too, provides runners with a flat course that provides an opportunity to qualify for the Boston Marathon. Kiawah also has a half marathon and runner expo, as well

as a very scenic destination for the runner looking for a low-key, yet beautiful venue to race.

All in all, South
Carolina offers
plenty of
choices with 12
marathons in
the state and a
lot of other race
options.

Shorten the distance, and they will come

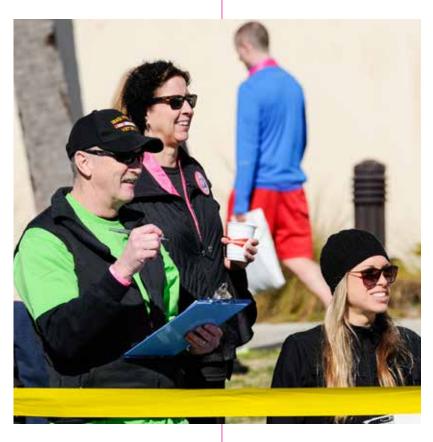
Although shorter than a marathon, Charleston's 10K (6.2 miles) Cooper River Bridge Run is considered an elite race with some of the fastest runners leading its field. We're talking about runners vying for the record finishing time of 27 minutes 40 seconds, or less than 5 minutes per mile. That's fast.

The Cooper River Bridge Run is touted as the largest race in South Carolina with around 40,000 participants. This is another race that's about the destination.

The Arthur Ravenel Bridge, which spans the Cooper River, is the third bridge to be a part of the Cooper River Bridge run. The course begins in Mount Pleasant, crosses the river and continues into downtown Charleston. Many participants then enjoy the afternoon, if not the entire weekend, in the Holy City.

"What makes this run special is Charleston as a destination – the food, the weather, and the music," said Julian Smith, the Cooper River Bridge Run race director.

Smith estimates a \$30 million dollar economic impact on Charleston from the Cooper River Bridge Run.





Medals: When asked why they run a race, many runners will say "it's all about the medal." Many races have taken that to heart and are becoming more creative with the medal design for race finishers. Having a cool medal can help bring runners to your event.

"It's very hard in the beginning to understand that the whole idea is not to beat the other runners. Eventually you learn that the competition is against the little voice inside you that wants to quit."

-George Sheehan

"You must do the thing which you think you cannot do."

-Eleanor Roosevelt

Shorter races like this are trending. The half marathon (13.1 miles) races account for 42 percent of all road races in America, and South Carolina is mirroring that trend. The Lexington Medical Center Governor's Cup half marathon in Columbia was considered one of the top 20 races in the state in 2013, according to S.C. Runners' Gazette.

Other top half marathons include the Myrtle Beach, Charleston, North Myrtle Beach Diva, Hilton Head, Kiawah Island, Myrtle Beach Mini and Greenville Spinx Runfest. Together they boast more than 16,000 runners taking to the streets.

It's about more than the running

Almost every running event now is associated with at least one charity or cause, like the Susan G. Komen's Race for the Cure on Daniel Island or the Save the Lighthouse half marathon and 5K on Folly Beach.

Some groups train and raise money for their specific cause, regardless of the race charity. Angela Nicholas, former chief executive of the Coastal South Carolina Chapter of the American Red Cross, co-founded the Red Cross Rescue Racers, which spends 16 to 18 weeks a year training for the Myrtle Beach Marathon. Considered

South Carolina offers plenty of choices with 12 marathons in the state and a lot of other race options.

"the official local charity training team for the MBM," this group's members raised more than \$350,000 since 2007 for the local American Red Cross.

"Our members feel good about not only doing something for their own fitness, but also raising funds for people in need in our community," Nicholas said. "It's a dual purpose that really keeps them engaged and coming back year after year."

Dawn White participates from a different angle, that of the event director instead of just a participant. She is the director for the BFF or Breast Friends Forever race in North Myrtle Beach that raises money for breast cancer charities specifically

located along the Grand Strand. White said she appreciates that money is staying in the community.

"I think people sign up for this type of race because they have either been personally affected by cancer or know someone who has," White said. "It's amazing to see the survivors cross the finish line, another victory in their fight to survive."

It's a girl thing

Women runners are on the rise. A 2013 survey by Running USA shows almost twice as many women running half marathons than men. There's also a higher percentage of women in 5k and 10k races, and they are gaining ground in marathons, with only seven percent separating the men and women.





JON SER

This statistic has grown leaps and bounds since 1967 when Kathrine Switzer registered herself as K.V. Switzer and entered the Boston Marathon. The race director tried to pull her from the course because females were not allowed.

Races have come a long way. The Diva Half Marathon and 5K in North Myrtle Beach are geared toward women, emphasizing girl power with "blinged out" medals, tiaras and hot pink boas.

The See Jane Run Half Marathon, Zooma Women's Race series and the Disney Princess Half

Marathon are also designed for and promoted to mainly female runners.

It's not all tiaras and tutus, though. The top female finisher in the Diva Half Marathon was 1:19:58 last



year and the fastest women's time in 2013 New York Marathon was 2:25:07. It's clear women are also running to prove they are serious athletes and competitors.

Team building and family fun

From color runs to mud runs, specialty races aimed at bringing families and friends together are dotting the landscape. The infamous United States Marine Corps Ultimate Challenge Mud Run in Gaston tests teams' mettle and raises money for veterans. This race is made up of 36 military-style obstacles on 6.2 miles of all terrain trails. It challenges toughness, stamina and teamwork, and is not for the faint of heart.

Color runs, on the other hand, typically require very little strenuous running. The only obstacles on this course are bright, puffy clouds of vibrantly colored corn starch. Color runs are great for families with children of any age. They feature color-bombing stations along the course and an explosively colored concert at the finish line.



Left: The bling is not only about the medal. Runners are purchasing everything from colorful shoes to compression socks and vibrantly colored running clothes that make a statement as they pound the pavement.

Bottom: No matter what your reason for running, the finish line of a race is always your goal. When you are done, you realize you accomplished something that can change you forever.

"In running, it doesn't matter whether you come in first, in the middle of the pack, or last. You can say, 'I have finished.' There is a lot of satisfaction in that."

-Fred Lebow

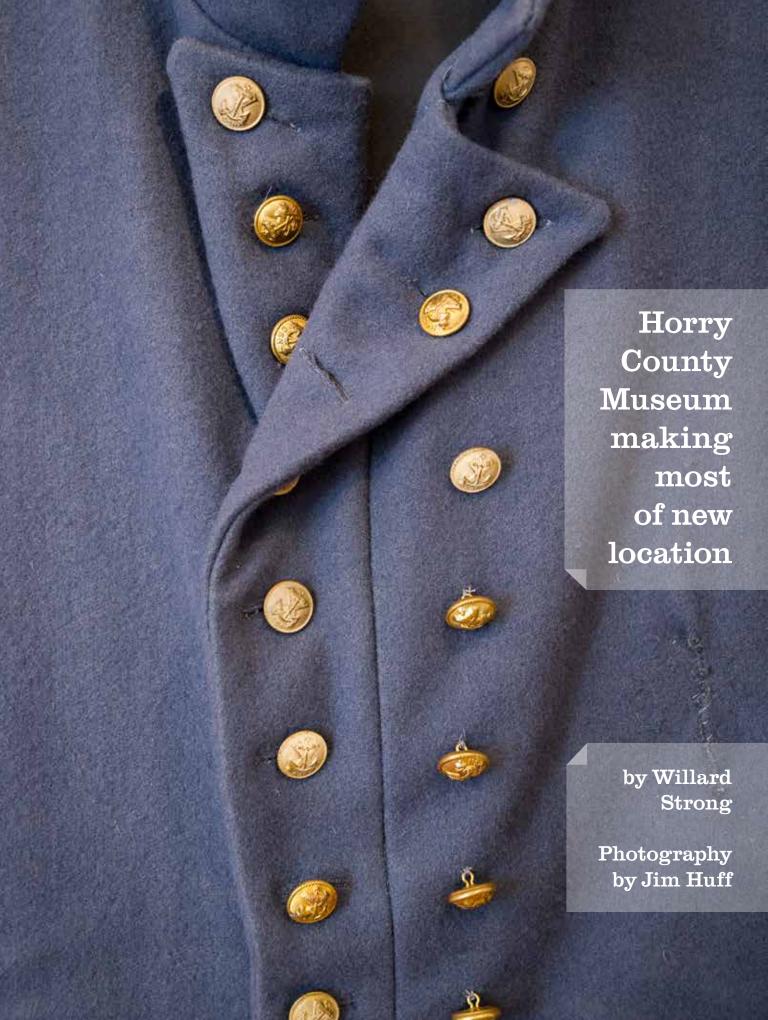


Holiday-themed runs are also great for families. The inaugural Tinsel Trot took place in Moncks Corner as a "sneaker preview" of Santee Cooper's Celebrate The Season holiday lights tour. Renee Tedder, Santee Cooper employee and Tinsel Trot race director, said family runs are popular because they feature manageable distances that almost anyone can achieve.

"People from all age groups participated, and many were proud that they could reach the two-mile distance," Tedder said. "We're hoping to make it a new family tradition for participants."

There's one type of spooky and scream-worthy race where you're not just running to the finish line, you're also running from zombies. The Run for Your Life Zombie 5k takes place in Charleston, and Mount Pleasant hosts the Running Scared 5k. Running from zombies may make for a faster finish time, but the frights make it fun.

So it seems there are as many different answers as there are questions about why running has gained in popularity. The bottom line is this: The running buzz can be about serious fitness and health, about making money and raising it, or about fun with family and friends. So lace up those shoes and hit the streets. There is a race medal — and maybe a zombie — waiting for you.



The Horry County Museum has a new home in one of Conway's historic buildings, the recently renovated 109-year-old Burroughs School located at 805 Main Street.

By Willard Strong

Photography by Jim Huff

Fortunately for the museum's Director Walter Hill and his staff, the relocation project completed last November didn't mean a very long trek. They literally moved just down the street from 428 Main Street, the museum's home for the last 32 years, which was the old Conway Post Office.

"The new location of the museum is a great step toward providing a higher level of museum service to the public," said Hill. "The exhibit space has increased by almost six times. The storage space for growing collections and preserving Horry County's past has increased. The introduction of the McCown auditorium opens doors for public programming that we have never had the opportunity to take advantage of before."

If you haven't visited the new location after its \$6.5 million renovation, the building itself is as much a "museum piece" as the exhibits on display.

"Most visitors are impressed with the beautiful interior of this renovated historic building," Hill said. "The Burroughs School was built in 1905. The Spriggs Group, the architect on this project, and contractor Welch Construction did a beautiful job preserving the original floors, plaster, wainscoting, and other architectural elements of the old building. The interior is very attractive and looks better than it has in 75 years."

Horry County is much, much more than Myrtle Beach, the tourism mecca that attracts 13.5 million visitors annually. Hill said the



Opposite page: This Confederate officer's naval jacket is part of the Civil War display.

The entrance to the Horry County Museum (left) is adjacent the museum's McCown Auditorium, which affords the museum a new venue for concerts and other events. The museum facility was the Burroughs School, constructed in 1905, and the auditorium was built in 1922.





Opposite: Tobacco had a prominent place in Horry County history, an important cash crop for generations.

McCown Auditorium can seat 640.

Right: This daub hut, used by American Indians in the Horry County area, was constructed entirely by museum staff.



We are a history museum that focuses on the prehistory, history and natural history of Horry County.

county's heritage is as rich as the other 45 counties in the Palmetto state. A big part of the museum's mission is to display and interpret that history.

Said Hill, "Visitors exploring our exhibits often find it interesting that at one time, Horry County was one of the largest tobacco-producing counties in America. Or that in the late 1800s, Horry County produced timber that was sold all over the world.

"They're also surprised to learn that Horry County has the largest population of black bears in the state, like our 490-pound specimen. Many of them are also shocked to learn that alligators, like the 11-foot long alligator we have on display, live in our waterways. Often, visitors are surprised to learn that Myrtle Beach was home to a German prisoner of war camp during World War II. The museum is full of surprises."

"Horry County history was built upon the 'four Ts," says Hillary Winburn, the museum's curator. "It's turpentine, timber, tobacco and tourism. We have a very rich farming history. I'm part of that. I grew up on a farm here in Horry County, at Galivants Ferry."

Winburn believes if more people would set aside common misconceptions about museums, they would widen their view of the world and have a greater appreciation of their heritage.

Said Winburn, "Many people seem to think that museums are only filled with dinosaurs and mummies. We are a history museum that focuses on the prehistory, history and natural history of Horry County. Once that is explained, one begins to focus on the history of what is around them and not their preconceived notions."

Hill said the museum's new home will build upon the foundation and legacy of the old facility. There's simply much more space for exhibits and as Winburn noted, "Ninety percent of a museum's collection is in storage. More space means the museum has taken a giant leap in its mission."

The old facility had approximately 2,000 square feet of exhibit area. The new location has about 28,000 total square feet, which excludes the spacious 640-seat McCown Auditorium. Exhibit space now totals 10,000 square feet, a quantum leap.

"The move into the larger facility gives our museum the chance to do things on a greater scale," Hill said. "Larger exhibit areas provide the opportunity for broader and more thorough exhibits to be on permanent display. And the



auditorium allows us the opportunity to provide large-scale programming to promote and support all of these ideas.

"A calendar of Saturday afternoon events has been set to invite the public into the auditorium for cultural and history-related events. These events span from local authors and historians discussing history, to speakers talking about local wildlife or traditional music like gospel, bluegrass, Gullah music, or jazz. Best of all, these events are free to the public. They are sponsored by a contribution from the AVX Foundation."

Hill firmly believes a county museum should exist to tell the story of the people and the place, and that it's important that a museum should offer a true, accurate and honest history of the area.

"County museums should take a place in the community as a leader in local culture and historic preservation," said Hill.

The auditorium also hosts traveling exhibits and lectures. Three galleries change on a regular basis.

"One gallery is a photographic gallery that always has photographs in it, but the images will change," Hill said. "Another gallery is a textiles gallery that will always have textiles, but the quilts, garments and sewing machines change out periodically. We also have a large changing gallery that currently features an exhibit on the American Civil War, in recognition of the 150th anniversary of the war's end. That exhibit will stay in until April 2015."

The museum has another facility a few miles out of Conway at the corner of Harris Short Cut Road and U.S. Highway 701. It's the L.W. Paul Living History Farm, which recreates farm life from the 1900-1955 time period.

"The farm includes community buildings, farm buildings and row crops, as well as livestock," Hill said. "It is a working farm that grows traditional crops including tobacco, cotton, corn, garden crops and more. Most of the cultivation takes place using a mule and plow. We also demonstrate cane syrup making, grinding grits, blacksmithing and sawing lumber on our sawmill."

Opposite: Typical dress and accoutrements worn and carried by the Horry County militia soldier.

Top: A variety of objects are on display in the Military Gallery that show what would have been carried by the average soldier during the Revolutionary War.

Middle: Different irons are shown in the Textile Gallery. Left to right: A "sad iron," coal iron, corn cob iron and a Coleman brand iron, heated using Coleman fuel.

Bottom: Museum Director Walter Hill.









Events are held several times a year, and you'll typically find Winburn, donned in overalls, stringing tobacco or engaged in a traditional agricultural activity from that time period.

"The farm is a great opportunity to see how families lived in Horry County in the early parts of the 20th century," said Winburn.

"There are also chickens, hogs and a milk cow. So many young people and children have never seen something like this."

Volunteers are a big part of most museums and the Horry County Museum is no exception, with between 50 and 75 Partnering with schools and institutions of higher learning, such as Coastal Carolina University, is also part of the museum's role in the community. A highlight of the year is the museum's annual quilt gala, held in February.

"This year was its 20th celebration," Winburn says. "This is one of the museum's biggest events."

Horry County is changing and growing. The Horry County Museum is a place where what has gone before can be put into proper perspective.

"In an area where there are often more newcomers to the area than there are locals in the community, the culture that develops there is completely foreign from the traditions that once identified that community," said Hill. "It is a responsibility of the local museum to play an active role in preserving the cultural past of these communities through collections of artifacts, exhibitions of cultural traditions and education programs."

To learn more about the Horry County Museum, visit www.horrycountymuseum.org.

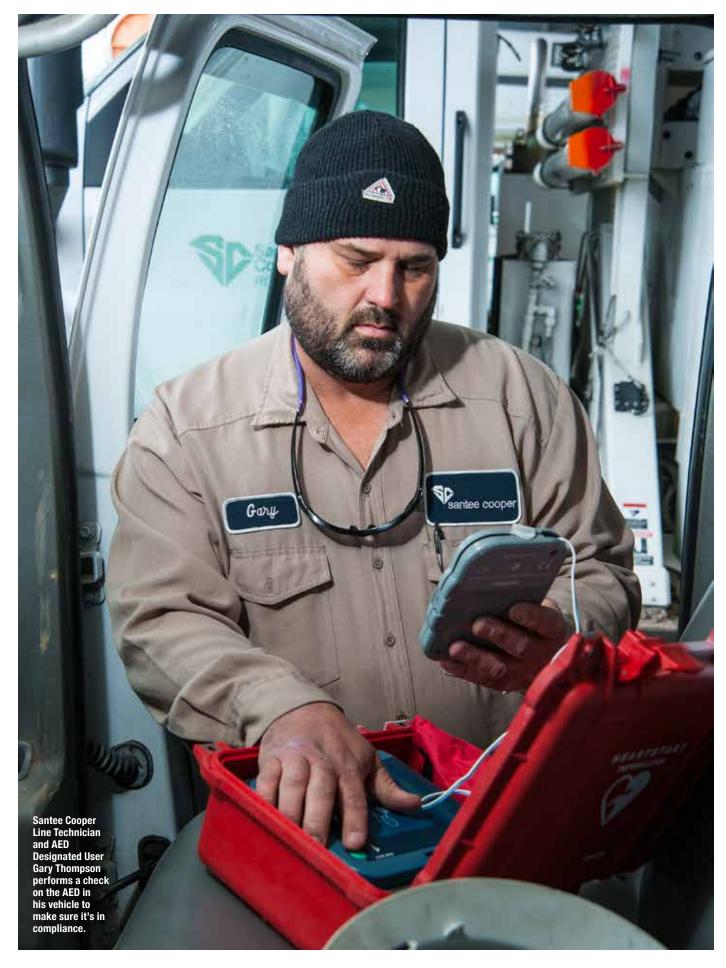
volunteers lending a hand at the museum or the farm.

"Our volunteers play an important role within the museum," Hill says. "They guide tours, greet guests, participate in demonstrations and offer a variety of other behind the scenes support. There is always more work than we have staff to handle. We rely on our volunteers to help us provide better service to the public and become a better museum."

Financial support comes from Horry County government, approximately \$481,000 annually. Donations make up the rest.

Another source of income is the Horry County Museum Foundation, a private nonprofit organization that has an ongoing campaign. Hill explained Foundation money is specifically used for public exhibits.





AEDs are on standby at Santee Cooper

By Nicole A. Aiello

Photography by Jim Huff

Santee Cooper takes safety seriously, especially because many employees work under potentially hazardous conditions. As a matter of fact, we're proud to say 2013 was one of our safest years on record.

Safety for employees and the public is the catalyst behind Santee Cooper's initiative to install automated external defibrillators (AEDs) in several key facilities and vehicles.

The 50 locations selected for the first phase of AED installation were based on higher risk areas, like line trucks and generating stations, and are in place. The second phase, taking place now, rolls out another 25 AEDs to other facilities including some retail offices and buildings at Santee Cooper headquarters.

Santee Cooper Occupational Health Supervisor Loraine Dennis is a big advocate of AEDs. She said they can be a critical component to saving someone's life.

"Getting blood flow to the brain, heart and other vital organs is crucial during a time of emergency," said Dennis. "However, there is also a risk of the heart having an irregular rhythm. Once a person's heart is out of rhythm, there are usually only a couple of minutes before he or she goes into full arrest. With the use of an AED, there is a greater chance that you will be able to resume the heart's regular rhythm."

Unlike CPR, AEDs come under South Carolina state law and companies are required to comply with the law. Part of the state law governing AEDs requires having an employee AED



The AEDs at Santee Cooper are portable and housed in highly visible, rugged, weather-proof containers.



words, they make sure the AED is in correct working order.

AEDs save lives. However, it's very important to continue to teach and practice CPR.

Santee Cooper provides employee training on AEDs, and Dennis oversees this training to make sure the state law is followed. She said training is important, although ease of use and easy instructions are essential. The AEDs are easy to operate, walking users through the process of defibrillation by using voice prompts and images.

J. Travis Carricato with E-Med Training Services LLC, the company Santee Cooper works with to train employees on AED use, said anyone can operate the machine.

"Simply put, any bystander can help in an emergency like this," said Carricato.

Carricato pointed out if someone suffering from cardiac arrest is defibrillated within the first minute of collapse, the victim's chances for survival are close to 90 percent. He also explained for every minute defibrillation is delayed, survival decreases 7 to 10 percent.

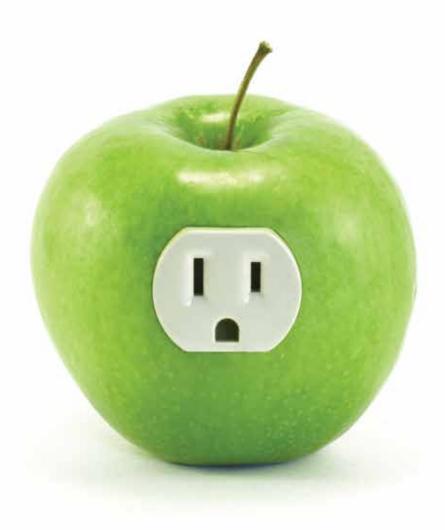
Dennis said AEDs have a place in the workplace, but CPR continues to be indispensable.

"AEDs save lives. However, it's very important to continue to teach and practice CPR," said Dennis. "If possible, CPR should be administered by one person while someone else is calling 911 and retrieving the AED."

Dennis said the best practice is to stay calm and stay rational.

At Santee Cooper, AEDs will be prominently displayed. In addition, employees will be notified of their locations and will have access to maps showing where the AEDs can be found.

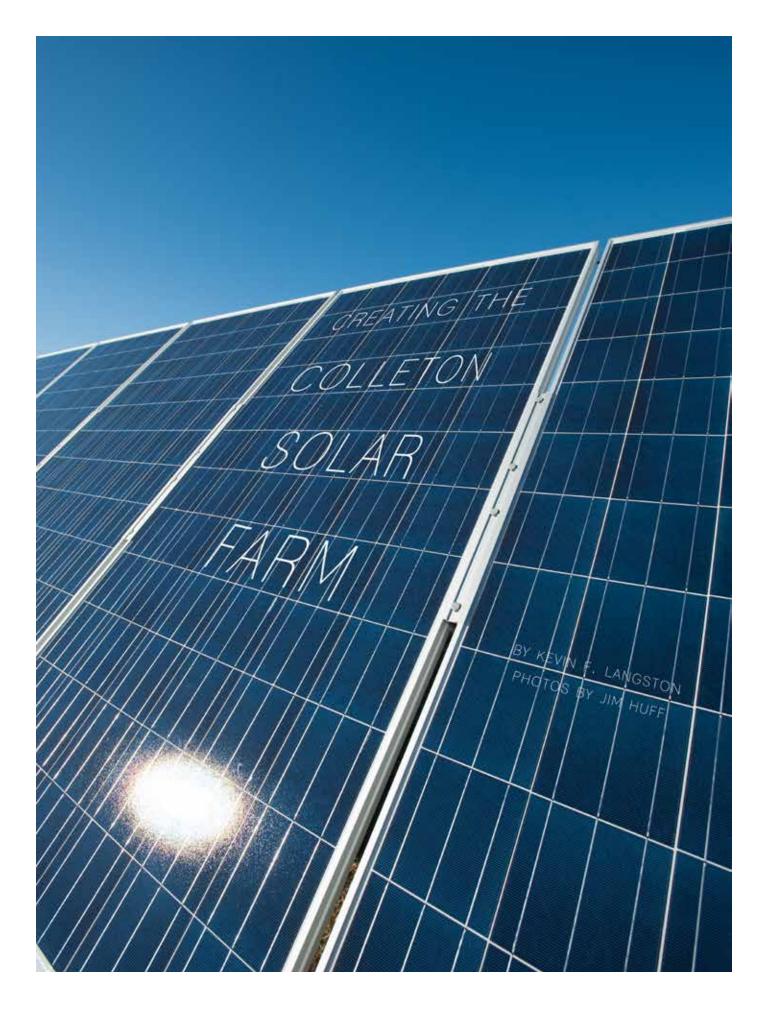




Green to the core.

Santee Cooper Green Power is a healthy investment in renewable generation. For as little as \$3 extra per month, you can help minimize your environmental footprint by using the power of solar, wind and landfill gas—and maximize the quality of life for those who walk this Earth long after you.

Learn more at www.santeecooper.com/greenpower



It was a sunny, although blustery, January 24 in Walterboro, S.C., when a crowd huddled inside a warm tent to dedicate the 3-megawatt Colleton Solar Farm. Its 10,010 photovoltaic panels were generating 2.3 MW of renewable energy, which helped to power the event and heat some homes in the area. The Colleton Solar Farm represents a collaboration that includes Santee Cooper, Central Electric Power Cooperative, The Electric Cooperatives of South Carolina, TIG Sun Energy, The InterTech Group, Colleton County and the city of Walterboro. Santee Cooper, in collaboration with Central and the electric cooperatives, is purchasing the total energy output, which is enough to power more than 300 homes. It is forecasted to generate approximately 4,468 megawatthours of electricity in 2014. The facility rests on a footprint of 14.27 acres and requires 43.5 miles of wire — enough to reach downtown Charleston from the solar farm. Sixty percent of its solar panels (or 1.8 MW) are fixed, while 40 percent (1.2 MW) are single-axis tracking panels that follow the sun's movement across the sky. The tracking panels cost more to install but can generate about 20 percent more electricity than fixed panels. The intent was to include both models to evaluate capacity against higher costs. The Colleton Solar Farm was built in 57 days. "This project came together in rapid time," said Grant Reeves, senior vice president of The InterTech Group, which owns TIG Sun Energy. "It was in September of last year that the electric cooperatives and Santee Cooper jointly pursued the construction of a new solar farm. A purchase-power agreement was signed on September 25, TIG Sun Energy was awarded the construction contract on October 7, and the project was placed on the grid on December 20. That was a lot of work done in a short amount of time." 27





The Colleton Solar Farm is comprised of 10,010 solar panels installed across 14.27 acres. Forty percent of the panels use single-axis tracking technology, which has the potential to generate 20 percent more electricity than fixed panels because they can follow the sun across the sky.

(Bottom): Single-axis tracking panels are installed on a 151-ft. long galvanized steel tube, which is turned throughout the day by a computer-controlled drive motor. The computer determines the sun's trajectory and calculates optimal panel tilt using a stationary GPS for accurate time and location data.

The project needed to be completed before the end of the year in order to qualify for accelerated depreciation under federal tax rules that were set to expire. Such financial incentives were essential in lowering the overall cost of electricity delivered to Santee Cooper and the electric cooperatives.

"This solar farm came in on time and under budget," said Leighton Lord, chairman of the Santee Cooper Board of Directors. "As the first generation project I had to approve as chairman, that was wonderful."

Santee Cooper and the electric cooperatives had some very specific goals when they set about developing the Colleton Solar Farm. Highest among them was to learn from it.

"This project is important to Santee Cooper because we want to better understand solar power," Lord said. "Our Green Power Solar Schools program is one way we've been studying solar power for several years, but we've never



had anything of this scale to study. We want to do solar power right. Grid reliability is paramount, and we cannot jeopardize that. We must also introduce solar power onto our system in a way that's fair to all of our customers. We're ready, but we're going to get the reliability right and the fairness right, and the Colleton Solar Farm is going to help us get there."

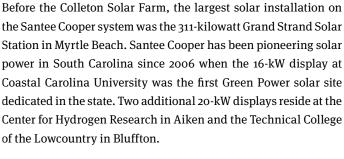
"The timing is right for this project," said Larry Hinz, president and CEO of Coastal Electric Cooperative, and chairman of the board of trustees of Central Electric Power Cooperative. "We've heard from cooperative members who are interested in solar energy. Now, it's our turn

to develop a consumer-friendly product that makes solar power available in a reliable and economically sustainable way. This project gives us a tremendous opportunity to learn how we can make solar successful in South Carolina."

Santee Cooper and the cooperatives also sought to increase the access to indigenous sources of electricity in South Carolina, South Carolina use companies in the construction of the solar farm, to encourage private investment in solar photovoltaic technology, to evaluate the solar rate structure, and to evaluate how to construct these solar farms efficiently.

THIS PROJECT IS IMPORTANT TO SANTEE COOPER BECAUSE WE WANT TO BETTER UNDERSTAND SOLAR POWER





Santee Cooper and the electric cooperatives also have established more than 20 Green Power Solar Schools in the state, providing 2-kW panels and educational material that allows sixth graders a hands-on learning experience with solar.



The Colleton Solar Farm continues a commitment by Santee Cooper and the electric cooperatives to grow renewable energy sources throughout South Carolina — a commitment that reaches back to 2001 when they dedicated the first Green Power Generating Station in Horry County. Today, they work together to deliver more than 681 MW of renewable energy from sources like hydro, biomass and landfill biogas, solar and wind.

"Santee Cooper is responsible for more renewable power being placed onto the grid than any other utility in the state," Lord said. "I'm thrilled to be part of a utility with such a commitment to renewable power."



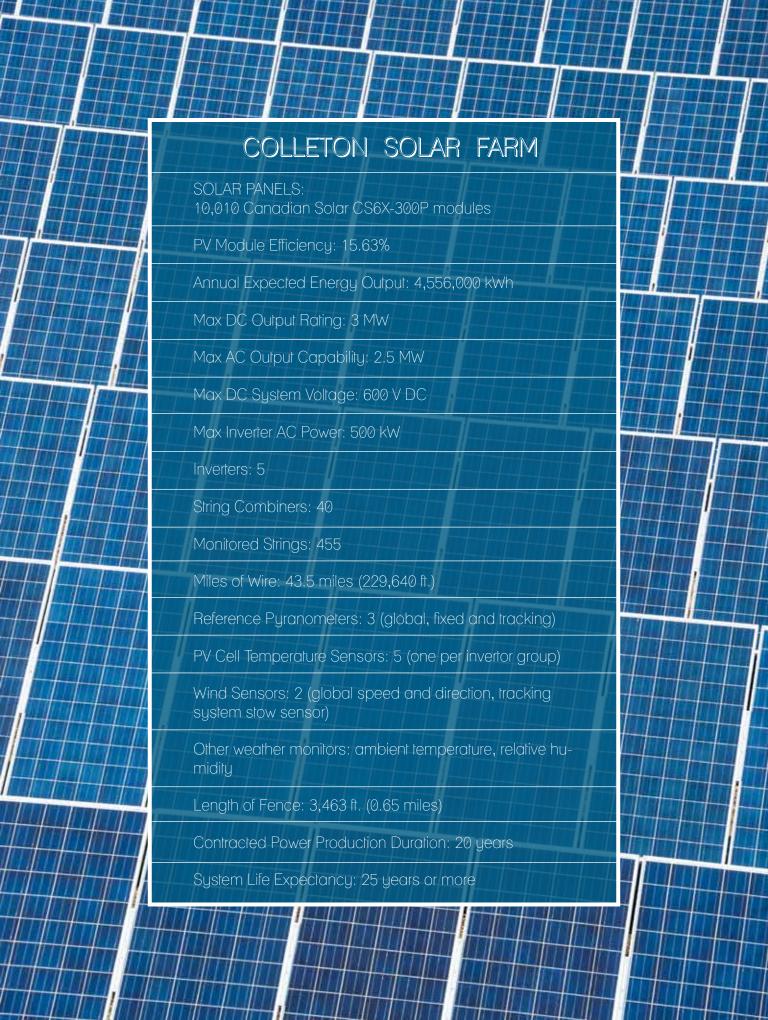
The Colleton Solar Farm was one of the first projects Santee Cooper and the electric cooperatives pursued after signing an extension to the Central Coordination Agreement earlier in 2013. The long-term, unprecedented agreement was designed in part to usher in a new era of cooperation between Santee Cooper and the cooperatives.

"This has been a great example of what we can do and how teamwork on this scale is the future of electric generation," Lord said. "It's hard to do it by yourself, but it's easy to do it with partners. The electric cooperatives are great partners."

"I want to commend the electric cooperatives and Santee Cooper's leadership in bringing this first-in-the-state, utility-scale project to fruition," said Anita Zucker, CEO of The InterTech Group.

"This project will provide valuable economic and operational experience for future solar installations. It is my belief and hope that the Colleton Solar Farm will be the first of many more solar developments in South Carolina."

Larry Hinz, president and CEO of Coastal Electric Cooperative and chairman of Central Electric Power Cooperative's Board of Trustees, and Leighton Lord, chairman of the Santee Cooper Board of Directors, stand with CEO of the InterTech Group Anita Zucker as she symbolically flips the power switch during the solar farm's dedication on January 24.



Business Briefly



SCE&G acquires increased share of nuclear units from Santee Cooper

South Carolina Electric & Gas Co. (SCE&G) and Santee Cooper announced on Jan. 27 an agreement for SCE&G to acquire from Santee Cooper a 5 percent ownership interest in the two new nuclear units currently under construction at V.C. Summer Station in Jenkinsville, S.C. Under the terms of the transaction, SCE&G will own 60 percent of the new nuclear units and Santee Cooper will own 40 percent.

Santee Cooper has been exploring opportunities to reduce its ownership level since 2011, to better match the new units' capacity with business needs when the units come online and still provide generating diversity that takes into account regulatory and fuel cost considerations.

Celebrate The Season gives \$115,171 back to charity

The 2013 Celebrate The Season, supported by 45 local businesses and organizations as a holiday gift that keeps on giving, delivered \$115,171.29 to charities serving Berkeley County and the tri-county area. That total includes sponsorships, gate proceeds during the month-long event and proceeds from the Tinsel Trot.

On Feb. 17, Santee Cooper President and CEO Lonnie Carter presented checks for \$83,932.67 to the Coastal Community

Foundation's Giving Back to Berkeley Fund and \$15,000 to the Berkeley County Museum and Heritage Center.

Major sponsors Berkeley Electric Cooperative, Berkeley County, Home Telecom and Goodwill Industries each received checks for \$4,059.66 to present to charities they designated — the Berkeley Electric Cooperative Relay for Life Team, the Sumpter Free Health Clinic, and the Home Community Fund, with Goodwill choosing to split its check between the Charleston Area Senior Citizens: Ansonborough House and the Goodwill Industries of Lower South Carolina VETS Program.

North Myrtle Beach to widen Ocean Boulevard, bury utility wires

The city of North Myrtle Beach is moving forward with \$6.5 million in improvements to Ocean Boulevard including widening one section and converting utility lines from overhead to underground.

The project covers .8 miles from 15th to 28th avenues south in the Crescent Beach section of the city. According to a North Myrtle Beach press release, the widening of the boulevard is estimated at \$3.5 million and funded by the South Carolina Department of Transportation. The conversion of power and communications lines from overhead to underground is estimated at \$3 million and funded by the city and Santee Cooper. Construction could begin as early as this fall.



SCJUSTRIGHT.COM

news^{2 0 1 4} s P R I N G Source

Santee Cooper earns APPA national safety award, marks 2013 with safety records

Santee Cooper has earned the American Public Power Association's Safety Award of Excellence for safe operating practices in 2013.

 \forall

The utility earned the first place award in the category for utilities with 1 million to 3.9 million worker-hours of annual worker exposure. The award was presented to Santee Cooper on April 7 during the association's annual Engineering & Operations Technical Conference.

More than 285 utilities entered the annual Safety Awards, which is the

highest number of entrants in the program's history. Entrants were placed in categories according to their number of worker hours and ranked based on the most incident-free records during 2013.

In addition, last year Santee Cooper beat its own safety records with only 16 Occupational Safety and Health Administration (OSHA) Recordable Injuries, 18 Preventable Motor Vehicle Accidents and a .9 OSHA Overall Incident Rate.

Santee Cooper earns high marks in customer satisfaction for 2013

The results from Santee Cooper's annual customer service survey again exceed the national and state averages in satisfaction measures, with positive marks in core business areas such as customer service, reliability, rates, values and conservation.

The MarketSearch survey showed an overall satisfaction rate of 99 percent in 2013 from Santee Cooper's residential customers. Nationally, the satisfaction rate for all utilities is 88.9 percent.

The survey also revealed 99 percent of customers were satisfied that Santee Cooper kept outages to a minimum, while 99.7 percent of customers felt Santee Cooper restored power as quickly as possible in the event of an outage.

Other high marks came in categories relating to customer service, with more than 98 percent of residential customers saying they are satisfied with Santee Cooper's quick response to customer problems and questions. In addition, more than 97 percent felt Santee Cooper shows concern for customers. With regard to value, 92 percent of customers said Santee Cooper's power is worth the price they pay.

Rainey Station "top of its class" in 2013, according to Megawatt Daily

Santee Cooper's Rainey Generating Station had an outstanding performance year in 2013, which caught the eye of Megawatt Daily, an electric utility trade publication.

Megawatt Daily reported Rainey Station "is at the top of its class, according to a Platts analysis of recently released data on the operational performance of fossil-fuel fired generating units in calendar year 2013."

More specifically, Rainey's unit 1A ran for 8,505.17 hours out of a possible 8,760 total hours last year, ranking it first nationally in operating hours. Unit 1A also had a capacity factor of 83.56 percent in 2013. Rainey Generating Station's unit 1B's capacity factor was even higher at 84.43 percent.

The impressive numbers are due in part to a comprehensive approach to preventative maintenance, relatively low natural gas prices, the work of Santee Cooper's Fuels Committee and the dedication of Rainey's employees.

Santee Cooper and customers weather Winter Storm Pax

Winter Storm Pax was packed with below-freezing temperatures, ice accumulation and crews working around the clock to restore service to customers without power.

Overall, 45,000 Santee Cooper customers were without power at some point during or after the storm. A majority of the outages were due to tree limbs and trees falling on power lines. In addition to the company's 11 transmission crews and 17 distribution crews, Santee Cooper brought in nine tree crews to help clear lines and 12 contract crews from out of state to help restore power.

During the restoration process, Santee Cooper used Facebook and Twitter to keep customers updated on restoration progress.

DOWNLOAD OUR IPAD APP

